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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/803,968	03/19/2004	Kyoung-sig Roh	Q80077	6471

23373 7590 02/06/2007
SUGHRUE MION, PLLC
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WASHINGTON, DC 20037

EXAMINER

TRAN, MY CHAU T

ART UNIT	PAPER NUMBER
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2629

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	02/06/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

10/803,968

Applicant(s)

ROH ET AL.

Examiner

MY-CHAU T. TRAN

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 February 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 19 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>2/1/06</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Application and Claims Status

1. Claims 1-8 are currently pending and are under consideration in this Office Action.

Priority

2. Receipt is acknowledged of papers, (i.e. Korean Patent Application No(s). 2003-17143; Filed: March 19, 2003), submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Information Disclosure Statement

3. The information disclosure statement (IDS) filed on 02/01/2006 has been reviewed, and the references that have been considered are initialed as recorded in PTO-1449 form.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

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5. Claims 1-3 and 7 are rejected under 35 U.S.C. 102(b) as being anticipated by Duret (US Patent Application Publication US 2002/0180714 A1).

For **claims 1, 3, and 7**, Duret disclose a pen (refers to instant claimed pen-shaped/handheld input system)(see e.g. Abstract; sections: [0002] and [0009]; fig. 2). As illustrated in figure 2, the pen comprises a magnetometer (ref. #8)(refers to instant claimed magnetic field detection unit) that is intended for measuring the magnetic fields, an inclinometer (ref. #10)(refers to instant claimed acceleration unit) that is an accelerometer, a processing electronic unit (ref. #14)(refers to instant claimed control unit) that is connected to an antenna (ref. #16)(refers to instant claimed communication module), which transmit the data from the processing electronic unit to a processing unit (ref. #2)(refers to instant claimed external computing device)(see e.g. sections: [0009], [0027], [0044]).

For **claim 2**, Duret disclose that the processing electronic unit calculate the position of the pen on the surface of the writing plane in terms of the measured magnetic fields values and the measured inclination angle θ of the pen (see e.g. section [009] and [0032]-[0042]).

Therefore, the device of Duret does anticipate the instant claimed invention.

6. Claims 1-8 are rejected under 35 U.S.C. 102(e) as being anticipated by Wang et al. (US Patent Application Publication US 2004/0140962 A1; *filing date of 01/21/2003*).

For **claims 1-3 and 7**, Wang et al. disclose an input device ((refers to instant claimed pen-shaped/handheld input system)(see e.g. Abstract; sections: [0002], [0009], [0021]; fig. 2 and 3). As illustrated in figure 2, the input device comprises an accelerometer (ref. #204)(refers to instant claimed acceleration unit), magnetic sensor (ref. #205)(refers to instant claimed magnetic

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field detection unit), a processor (ref. #207)(refers to instant claimed control unit), and a transceiver (ref. #209)(refers to instant claimed communication module)(see e.g. section: [0045] and [0060]). The accelerometer and magnetic sensor are use to measure the movement of the input device (see e.g. section: [0056] thru [0060]. The processor operates to calibrate and regulate the movement of the input device base on the measurement of the accelerometer and magnetic sensor by using a movement processing algorithms (refers to instant claim 2)(see e.g. section: [0048] and [0064]). The transceiver would transmit the information regarding the movement of the input device to a host computer (refers to instant claimed external computing device and claim 3)(see e.g. sections: [0052]).

For *claims 4-6 and 8*, Wang et al. disclose the method of calculating the movement of the input device using the measurement of the accelerometer and magnetic sensor and converting these inertial coordinates to paper coordinates (refers to instant claimed absolute coordinates)(see e.g. section [0064]).

Therefore, the device of Wang et al. does anticipate the instant claimed invention.

Conclusion

7. No claims allowed.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to MY-CHAU T. TRAN whose telephone number is 571-272-0810. The examiner can normally be reached on Monday: 8:00-2:30; Tuesday-Thursday: 7:30-5:00; Friday: 8:00-3:30.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard A. Hjerpe can be reached on 571-272-7691. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

My-Chau T. Tran
February 4, 2007

 2/4/07
MY-CHAU T. TRAN
PATENT EXAMINER